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(E73-10815) [SOIL MOISTURE ANALYSIS]

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of June for sites 146326 and 146327 have been analyzed and punched on IBM cards. Computer generated displays of soil moisture distribution have been obtained for each depth from 1 to 6 inches and for the average moisture content of the top 6 inches, 3 inches, and 2 inches.

Information on soil texture and moisture holding capacity is being extracted from the USDA soil survey reports for the test sites. Vegetation and physiographic information is also being investigated for the two areas. Consideration has been given to various optical processes which may be used to obtain additional information on soil parameters, vegetation and landforms from S190 sensors as well as the underflight and ERTS coverage.

The RC8 coverage of site 146326 has been received and the quick look completed. It is expected that the Skylab data and additional underflight data will be received during the next reporting period so that analyses of these data can begin.

Travel during the next month will be determined by ground truth data collection requirements for Skylab 3.

Joe R. Eagleman
Principal Investigator